

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY POLLUTION REPORT

I. HEADING

Date: July 7, 1999

From: Brad Benning, OSC, U.S. EPA, Region V, ERB, RS-II

To:	K. Mould, OSWER, Washington, D.C.	FAX (703) 603-9133
	R. Karl, Branch Chief, ERB, Chicago, IL	FAX (312) 353-9176
	D. Bruce, Chief Remedial, Chicago, IL	FAX (312) 353-9176
	B. Messenger, Chief ESS, Chicago, IL	FAX (312) 353-9176
	B. Henning, Enf. Specialist, Chicago, IL	FAX (312) 353-9176
	T. Krueger, ORC Chicago, IL	FAX (312) 353-0747
	N. Emeric, CIC, Chicago, IL	FAX (312) 353-1155
	B. Bolen, Chief, RS II ERB, Chicago, IL	FAX (312) 886-4071
	J. O'Grady, RPM, Chicago, IL	FAX (312) 886-4071
	B. Evertts, IEPA, Springfield, IL	FAX (217) 782-3258
	T. Westenburg, USACE	FAX (402) 291-8177
	J. Nolan, USACE	FAX (847) 473-1697

Subject: Vulcan Louisville Smelting (Vacant Lot) Site

POLREP#: Polrep # 6 and Final

II. BACKGROUND

Site ID No.: A527

Delivery Order No.: USACE - 0055

Response Authority: CERCLA (ERB)

CERCLA Incident Category: Non-Time-Critical Removal

CERCLIS ID#: ILR000054759

NPL Status: Non-NPL

Action Memorandum Signed: May 6, 1998

Start Date: August 4, 1998

Demobilization Date: May 25, 1999

Completion Date: May 25, 1999

EPA Region 5 Records Ctr.



229905

III. RESPONSE INFORMATION

- A. The Vacant Lot site is a 6.4-acre parcel of land located at the northeast corner of Commonwealth Avenue and 22nd Street in North Chicago, Lake County Illinois. The site is transected by Pettibone Creek, an intermittent water body that lies in a relatively steep-sided ravine, and originates at the northwest boundry of the site. The creek flows to the south on

site, and then flows east to finally merge into Lake Michigan (1.5 miles from the site). Historical information indicates that the site has been utilized by nearby industries for waste disposal. The source, quantity, and nature of the materials brought to the site is not well documented. However, reports of foundry sand and tailings deposition at the site is consistent with descriptions of materials observed on site. Numerous sampling events have been conducted at the site since 1984 by State and local officials. Elevated levels of heavy metals, chlorinated solvents, PAHs, pesticides, and PCBs were detected in on-site soil samples.

In September of 1994, the U.S.EPA conducted a Site assessment at the request of Illinois EPA. Several soil and sediment samples were collected, including samples from the location of the previous underground fire incident. Generally, elevated levels of heavy metals (including arsenic, beryllium, and lead), TCE, and PCBs were detected at the site. Based upon the Site characterization data and the results of the Streamlined Risk Evaluation and the Streamlined Ecological Risk Evaluation, removal action objectives were developed to provide a basis for the identification and evaluation of alternatives for a non-time-critical removal action. Removal action objectives were developed for those areas of the site which were determined to exceed a risk of 1 in 100,000, an HI of 1, or for those areas which have a high potential to release contaminants to the environment.

B. Action Taken

In late May, a small crew returned to the site to excavate approximately 200 tons of soil under the stockpile area, the lead contaminated soil was stabilized and shipped to the disposal site. All remaining supplies and equipment were demobilized from the site on May 25, 1999.

To date 6,742 tons of non-hazardous lead soils have been excavated, 36,052 tons of TCLP lead soil have been excavated and stabilized, and 2,042 tons of PCB/lead soil have been excavated. Approximately 9,810 yards of backfill dirt and stone have been delivered to the site.

IV. NEXT STEPS

Finalize Prospective Purchase Agreement with EMCO and the Town of North Chicago.

Continue with administrative closeout of project and final report preparation.

V. ISSUES

None

VI. COST TO DATE as of 1/10/99

Subject	Amount Budgeted	Amount Used	Amount Remaining
U.S. EPA	\$ NA	\$	\$

U.S. ACE	\$ 340,000	\$ 340,000	\$ 0
OHM	\$3,060,000.00	\$ 2,658,690	\$ 401,310.00
TOTAL	\$3,400,000.00	\$ 2,998,690	\$ 401,310.00

VII. WASTE DISPOSAL SUMMARY

<u>Wastestream</u>	<u>Quantity</u>	<u>Manifest #</u>	<u>Disposal</u>
Non-haz soil	6,724 tons		BFI Landfill Zion, IL
Non-haz soil	36,052 tons		Kestrel Hawk Park Landfill Racine, WI
Non-haz/non-TSCA soil	2,042 tons		Kestrel Hawk Park Landfill Racine, WI
Debris	49 tons		Kestrel Hawk Park Landfill Racine, WI